

**DAIHAN® Incubators, Gravity Convection-type, “WIG”, 32-/50-/105-/155 Lit., with Certi. & Traceability <sup>NEW</sup>**  
 With 2 × Wire Shelves, Digital Fuzzy Control, Jog-Dial with Push Button, Digital LCD with Backlight, up to 70°C, ±0.2°C



**Incubator, Gravity Convection-type “WIG-105”**

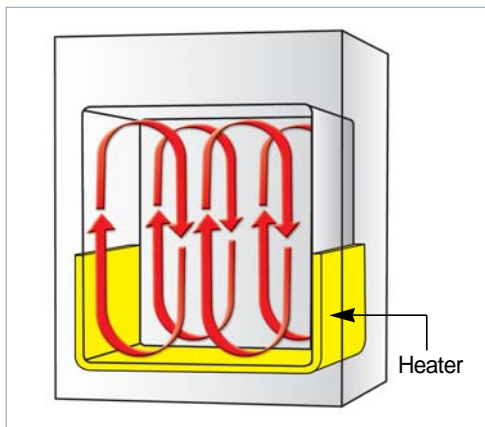
- with Certificate & Traceability : Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- Optimized Air Circulation by Natural Flow preventing Cross Contamination of Samples
- Patented Jog-Dial Control System
- UL / CUL Certified                      ■ CE Certified
- PL(Product Liability) Insurance

- \* Various Application : Microorganism Culture, Animal & Plant Cell Culture, Constant Temp., Germination, and so on
- \* The Best Temp. Uniformity & Accuracy by High Performance Heating Mechanism : 3-Side Heating
- \* Optimized Air Circulation by Natural Flow preventing Cross Contamination of Samples
- \* Digital Fuzzy Control System Implementing Superior Temperature Accuracy
- \* New Jog-Dial with Push Button                      \* Compact New Body Design
- \* 2 ea of Teflon-coated Steel Wire Shelves included
- \* RS232C Interface for Monitoring and Controlling with PC
- \* Ambient to 70°C of Temp. Range, Fluctuation of ±0.2°C at 37°C, 50°C
- \* Alarm Function : Error status and Timer-end
- \* Storage Function of Temperature and Timer setting values
- \* Locking Mode Supported for Experimental Safety (Input to Jog-Dial can be disabled)
- \* Corrosion Resistant 304 Stainless Steel Chamber
- \* Incubator Temperature & Incubator Current Protection, Sensor Error Detection

**Specification**

| Capacity & Models               |               | 32 Lit.<br>“WIG-32”   | 50 Lit.<br>“WIG-50”                | 105 Lit.<br>“WIG-105” | 155 Lit.<br>“WIG-155” |
|---------------------------------|---------------|---|------------------------------------|-----------------------|-----------------------|
| Dimension (w × d × h)           | Interior (mm) | 310 × 290 × 360   | 370 × 350 × 420                    | 485 × 410 × 535       | 550 × 475 × 600       |
|                                 | Exterior (mm) | 458 × 477 × 662   | 518 × 545 × 722                    | 633 × 595 × 879       | 700 × 660 × 903       |
| Heater Power                    |               | 150W  | 200W                               | 300W                  | 400W                  |
| Temp.                           | Range         | Ambient Temperature +5°C to 70°C  |                                    |                       |                       |
|                                 | Fluctuation   | ± 0.2°C at 37°C, 50°C   |                                    |                       |                       |
|                                 | Variation     | ± 0.5°C at 37°C, ± 0.9°C at 50°C  |                                    |                       |                       |
|                                 | Sensor        | PT 100  |                                    |                       |                       |
| Control Resolution              |               | ±0.1°C  |                                    |                       |                       |
| Heat-up Time                    |               | 20 min. to 37°C, 40 min. to 50°C  |                                    |                       |                       |
| Recovery Time (Door open 30sec) |               | 8 min. to 37°C<br>12 min. to 50°C   | 10 min. to 37°C<br>15 min. to 50°C |                       |                       |
| Controller                      |               | Digital Fuzzy Control by Advanced Microprocessor<br>Jog-Dial with Push Button   |                                    |                       |                       |
| RS232 Port                      |               | Available to connect with PC  |                                    |                       |                       |
| Display                         |               | Digital LCD with Back Light   |                                    |                       |                       |
| Timer                           |               | 99hr 59 min (delay/continuous function)   |                                    |                       |                       |
| Material                        | Internal      | Stainless Steel (#304)  |                                    |                       |                       |
|                                 | External      | Powder Coated Steel   |                                    |                       |                       |
|                                 | Inner Door    | Inner Tempered Glass Door   |                                    |                       |                       |
| Shelves                         |               | 2ea of Teflon-coated Steel Wire Shelves included  |                                    |                       |                       |
| Ventilation                     |               | 1ea of Ventilation hole with Stainless Steel Cap, Hole Diameter 40mm  |                                    |                       |                       |
| Circulation                     |               | Gravity Convection Type   |                                    |                       |                       |
| Safety device                   |               | Over Temp. and Over Current Protector, Sensor Error Detector  |                                    |                       |                       |
| Others                          |               | UL / CUL Certified, CE Certified<br>Storage Function (Temp. and Time)<br>Locking Mode (Jog-Dial Input Disabled)<br>Alarm (Error Status and Timer-end) |                                    |                       |                       |
| Net Weight (kg)                 |               | 32  | 40                                 | 59                    | 71                    |
| Packing Size (w × d × h) (mm)   |               | 568 × 592 × 698   | 628 × 652 × 775                    | 731 × 710 × 1,018     | 796 × 775 × 1,083     |
| Shipping Weight (kg)            |               | 39  | 53                                 | 67                    | 78                    |
| Power Consumption               |               | 159 W   | 169.9 W                            | 292.9 W               | 420.5 kW              |
| Energy Consumption, at 37°C     |               | 34 Wh   | 41 Wh                              | 63 Wh                 | 99 Wh                 |
| , at 50°C                       |               | 81 Wh   | 103 Wh                             | 152 Wh                | 212 Wh                |
| Power Supply                    |               | 120V, 60Hz or 230V, 50/60Hz   |                                    |                       |                       |

\* Other Specifications are available upon Customer's Request.



The Best Temp. Uniformity & Accuracy by High Performance Heating Mechanism

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### Ordering Information

|             |   |
|-------------|---|
| DH.WIG03032 | Incubator, Gravity / Natural Flow-type, 230V, 32 Lit., "WIG-32" |
| DH.WIG03050 | , 50 Lit., "WIG-50"   |
| DH.WIG03105 | , 105 Lit., "WIG-105"   |
| DH.WIG03155 | , 155 Lit., "WIG-155"   |
| DH.WIG04032 | Incubator, Gravity / Natural Flow-type, 120V, 32 Lit., "WIG-32" |
| DH.WIG04050 | , 50 Lit., "WIG-50"   |
| DH.WIG04105 | , 105 Lit., "WIG-105"   |
| DH.WIG04155 | , 155 Lit., "WIG-155"   |

### Optional Wire Shelves, Stainless Steel

|             |   |
|-------------|---|
| DH.WIG12032 | Wire Shelf, Stainless Steel, with 2 Brackets, for 32 Lit., "IGSN032", w280 × d260mm         |
| DH.WON11050 | Wire Shelf, Stainless Steel, with 2 Brackets, for 50 Lit., "ONS050", w340 × d310mm          |
| DH.WON11105 | Wire Shelf, Stainless Steel, with 2 Brackets, for 105 Lit., "ONS105", w455 × d375mm         |
| DH.WON11155 | Wire Shelf, Stainless Steel, with 2 Brackets, for 155 Lit./305Lit., "ONS155", w520 × d440mm |

### Validation (IQ, OQ) Service

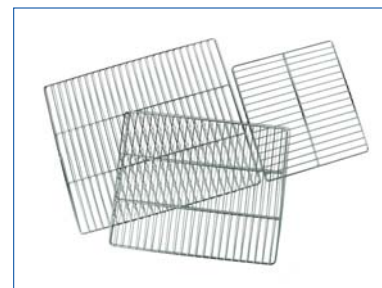
|             |  |
|-------------|--|
| DH.WIG31032 | Validation Service(IQ, OQ), "IGV032", for WIG-32 |
| DH.WIG31050 | , "IGV050", for WIG-50                           |
| DH.WIG31105 | , "IGV105", for WIG-105                          |
| DH.WIG31155 | , "IGV155", for WIG-155                          |



2-Year Warranty

**Wisd**

Incubator, Gravity Convection-type "WIG-105"



Wire Shelves, Stainless Steel  
(Optional)

### WiseRemote® Remote Control Software

Connection of **Wisd** Temperature Devices with Interface RS232C to a PC Export Recorded Data (Excel Spreadsheet)



Main Screen



RS232C Cable & Software